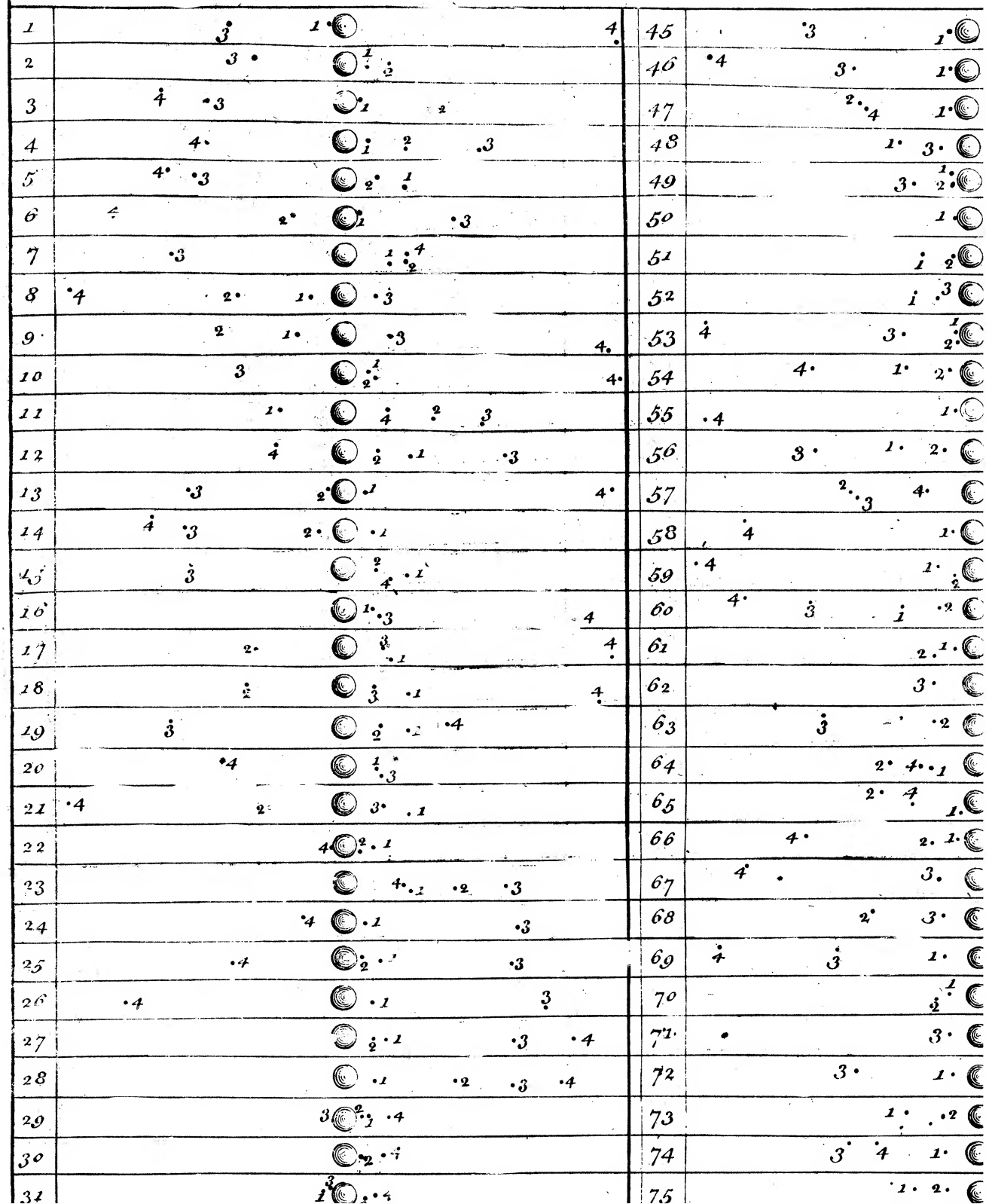
III. *The apparent Times of ſuch of the* Immerſions *and* Emerſions *of* Jupiter's *Satellites, as are viſible at* London *in the Year* 1737. *By* James Hodgſon, *F. R. S.* (See TAB. I.)

| | D. | H. | M. | | | |
|---|---|---|---|---|---|---|
| | | JANUARY. | | | | |
| 1 | 10 | 4 | 44 | E | E. | 1 |
| 2 | 18 | 5 | 13 | E | E. | 2 |
| | | MARCH. | | | | |
| 3 | 8 | 5 | 49 | M | I. | 1 |
| | | APRIL. | | | | |
| 4 | 16 | 4 | 28 | M | I. | 1 |
| 5 | 28 | 3 | 6 | M | I. | 2 |
| | | MAY. | | | | |
| 6 | 2 | 2 | 47 | M | I. | 1 |
| 7 | 12 | 3 | 49 | M | I. | 4 |
| 8 | 17 | 2 | 25 | M | E. | 3 |
| 9 | 24 | 3 | 4 | M | I. | 3 |
| 10 | 25 | 2 | 56 | M | I. | 1 |
| 11 | 29 | 1 | 48 | M | E. | 4 |
| 12 | 30 | 2 | 45 | M | I. | 2 |
| | | JUNE. | | | | |
| 13 | 10 | 1 | 9 | M | I. | 1 |
| 14 | 17 | 3 | 2 | M | I. | 1 |
| 15 | 23 | 11 | 46 | E | I. | 2 |
| 16 | 25 | 11 | 23 | E | I. | 1 |
| 17 | 28 | 11 | 1 | E | I. | 3 |
| 18 | 29 | 2 | 17 | M | E. | 3 |
| | | JULY. | | | | |
| 19 | 1 | 2 | 20 | M | I. | 2 |
| 20 | 3 | 1 | 16 | M | I. | 1 |
| 21 | 6 | 3 | 1 | M | I. | 3 |
| 22 | 10 | 3 | 9 | M | I. | 1 |
| 23 | 18 | 4 | 46 | M | I. | 4 |
| 24 | 18 | 11 | 32 | E | I. | 1 |
| 25 | 25 | 11 | 26 | E | I. | 2 |
| 26 | 26 | 1 | 27 | M | I. | 1 |
| 27 | 2 | 2 | 3 | M | I. | 2 |
| 28 | 2 | 3 | 22 | M | I. | 1 |
| 29 | 3 | 9 | 51 | E | I. | 1 |
| 30 | 3 | 11 | 7 | E | I. | 4 |
| 31 | 4 | 2 | 20 | M | E. | 4 |
| 32 | 9 | 4 | 41 | M | I. | 2 |
| 33 | 10 | 11 | 10 | E | I. | 3 |
| 34 | 10 | 11 | 47 | E | I. | 1 |
| 35 | 18 | 1 | 44 | M | I. | 1 |
| 36 | 18 | 3 | 13 | M | I. | 3 |
| 37 | 19 | 8 | 39 | E | I. | 2 |
| 38 | 25 | 3 | 41 | M | I. | 1 |
| 39 | 26 | 10 | 11 | E | I. | 1 |
| 40 | 26 | 11 | 17 | E | I. | 2 |
| | | SEPTEMBER. | | | | |
| 41 | 3 | 2 | 21 | M | E. | 1 |
| 42 | 3 | 4 | 43 | M | E. | 2 |
| 43 | 4 | 8 | 50 | E | E. | 1 |
| 44 | 8 | 6 | 32 | E | I. | 3 |
| 45 | 10 | 4 | 18 | M | E. | 1 |
| 46 | 11 | 10 | 47 | E | I. | 1 |
| 47 | 13 | 8 | 41 | E | I. | 2 |
| 48 | 15 | 10 | 36 | E | E. | 3 |
| 49 | 19 | 0 | 43 | M | E. | 2 |
| 50 | 20 | 7 | 14 | E | E. | 1 |
| 51 | 20 | 11 | 20 | E | E. | 2 |
| 52 | 23 | 2 | 39 | M | E. | 3 |
| 53 | 26 | 2 | 42 | M | E. | 1 |
| 54 | 28 | 1 | 59 | M | E. | 2 |
| | | OCTOBER. | | | | |
| 55 | 4 | 11 | 8 | E | E. | 1 |
| 56 | 8 | 5 | 57 | E | E. | 2 |
| 57 | 10 | 0 | 48 | M | I. | 4 |
| 58 | 12 | 1 | 5 | M | E. | 1 |
| 59 | 13 | 7 | 34 | E | E. | 1 |
| 60 | 15 | 8 | 35 | E | E. | 2 |
| 61 | 20 | 9 | 29 | E | E. | 1 |
| 62 | 21 | 6 | 49 | E | E. | 3 |
| 63 | 22 | 11 | 12 | E | E. | 2 |
| 64 | 26 | 7 | 12 | E | I. | 4 |
| | | 9 | 35 | E | E. | 4 |
| 66 | 27 | 11 | 25 | E | E. | 1 |
| 67 | 28 | 7 | 49 | E | I. | 3 |
| 68 | 28 | 10 | 50 | E | E. | 3 |
| 69 | 29 | 5 | 53 | E | E. | 1 |
| | | NOVEMBER. | | | | |
| 70 | 4 | 1 | 19 | M | E. | 1 |
| 71 | 4 | 11 | 51 | E | I. | 3 |
| 72 | 5 | 7 | 48 | E | E. | 1 |
| 73 | 9 | 5 | 43 | E | E. | 2 |
| 74 | 12 | 9 | 42 | E | E. | 1 |
| 75 | 16 | 8 | 18 | E | E. | 2 |
| 76 | 19 | 11 | 35 | E | E. | 1 |
| 77 | 21 | 6 | 3 | E | E. | 1 |
| 78 | 23 | 10 | 53 | E | E. | 2 |
| 79 | 28 | 7 | 55 | E | E. | 1 |
| | | DECEMBER. | | | | |
| 80 | 5 | 9 | 47 | E | E. | 1 |
| 81 | 10 | 7 | 50 | E | I. | 3 |
| 82 | | 10 | 45 | E | E. | 3 |
| 83 | 11 | 5 | 17 | E | E. | 2 |
| 84 | 14 | 6 | 8 | E | E. | 1 |
| 85 | 17 | 11 | 49 | E | I. | 3 |
| 86 | 18 | 7 | 51 | E | E. | 2 |
| 87 | 21 | 7 | 59 | E | E. | 1 |
| 88 | 28 | 9 | 52 | E | E. | 1 |

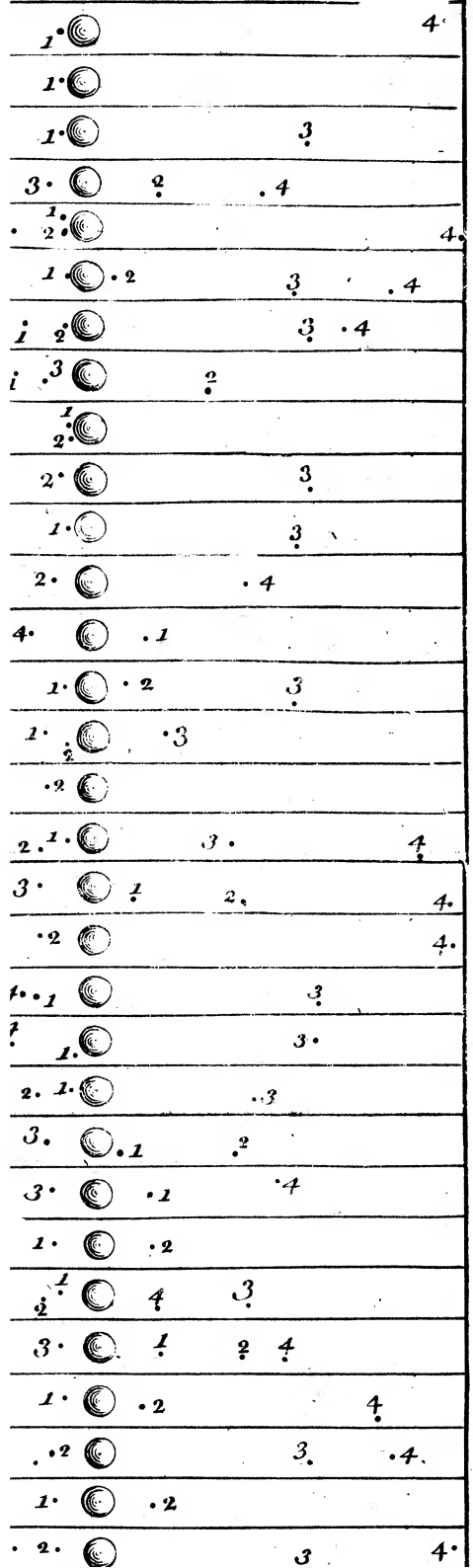
The 2*d*, 5*th*, and 8*th* Columns, ſhew the Times when the Eclipſes will happen; the 3*d*, 6*th*, and 9*th*, the Kind. Thus, on the 10*th* of *January*, at 4 h. 44 m. in the Evening there will happen an Emerſion of the firſt Satellite; and the Number 1, which is placed againſt the 10*th* of *January* in the 1ſt Column, refers to the Number 1 in the 1ſt Column of the *Plate* of *Configurations*, againſt which is placed the *Correſpondent Configuration*, or the Form in which the Satellites will appear at that Time.

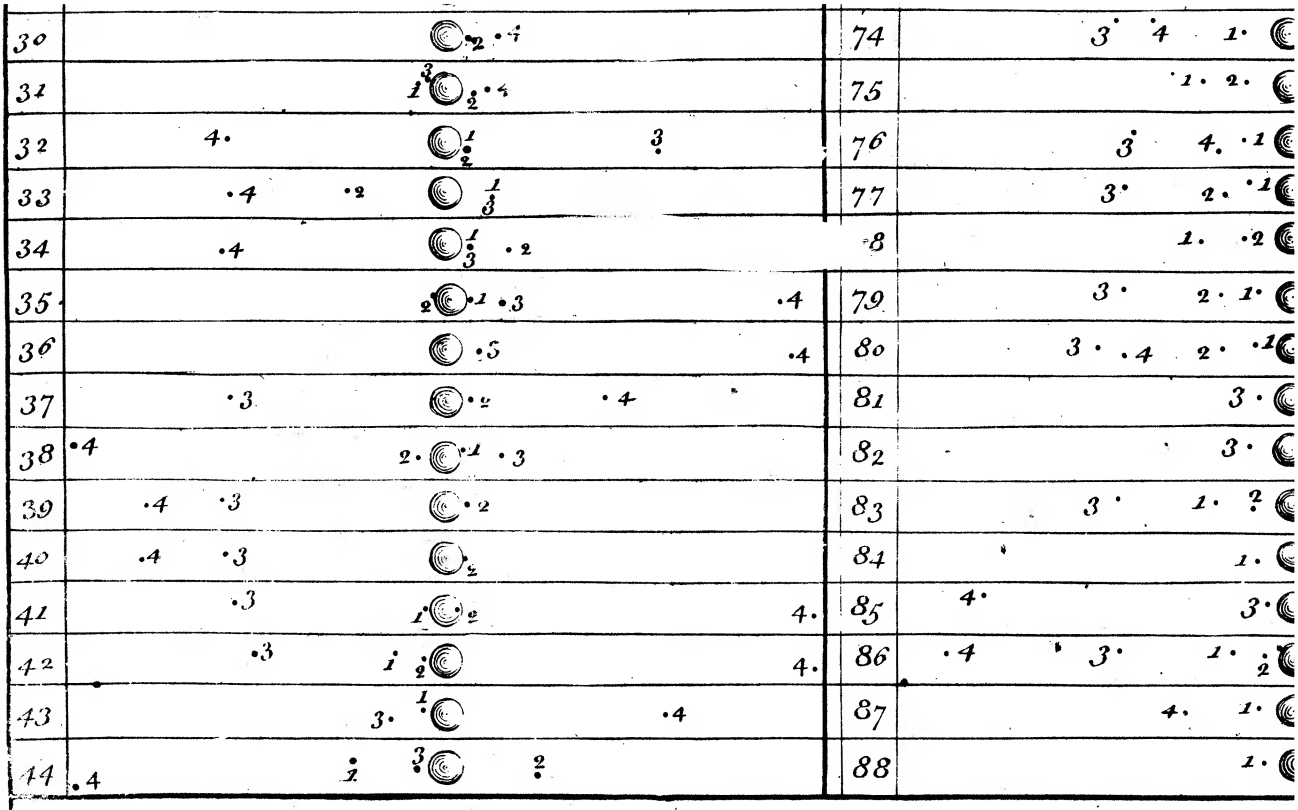
Philosop

# The Configurations of Jupiter's Satellites, at the Time their Eclipses as are Visible at London, will happen in the by James Hodgson F.R.S. Master of the Royal Mathema

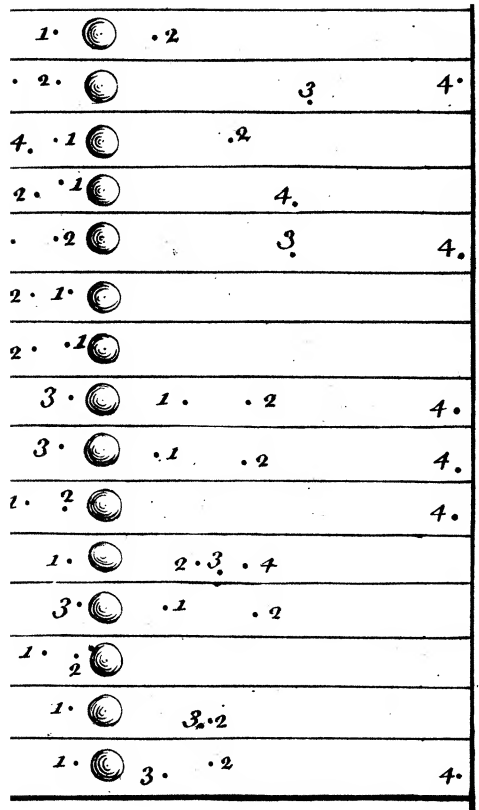


# Times when such of
# n the Year 1737.
# ematical School.





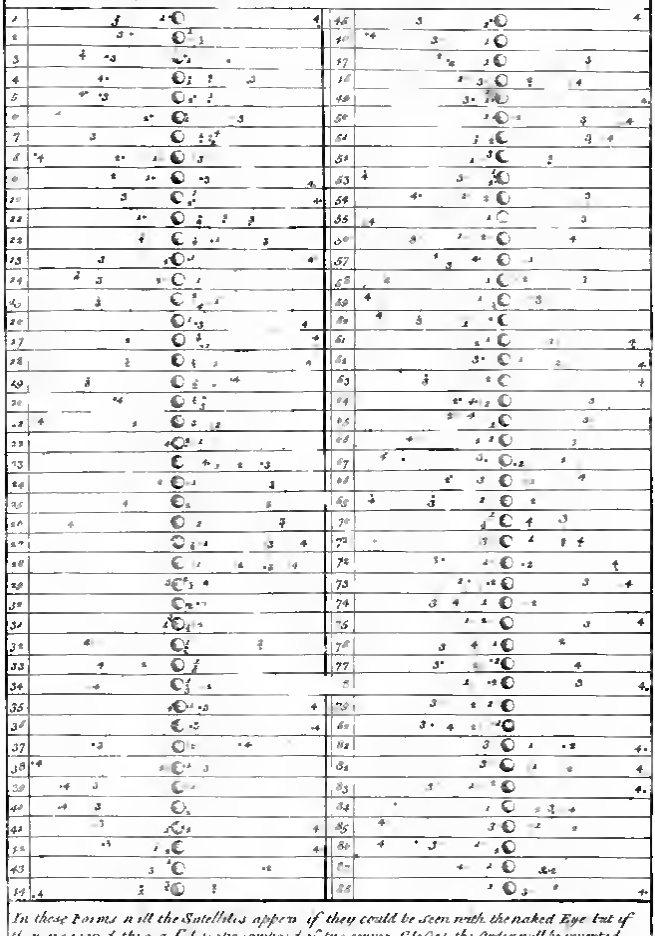
*In these Forms will the Satellites appear, if they could be seen with the*
*they are view'd thro' a Telescope compos'd of two convex Glasses, the Orde*




*th the naked Eye; but if*
*Order will be inverted.*

Philosoph. Transact. N° 440

# The Configurations of Jupiter's Satellites at the Times when such of their Eclipses as are Visible at London will happen in the Year 1737. by James Hodgson F.R.S. Master of the Royal Mathematical School



In these Forms will the Satellites appear if they could be seen with the naked Eye but if they are viewed thro' a Telescope composed of two convex Glasses, the Order will be inverted.